R. FOX.

WHEELED TOY.

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1,120,470. Patented Dec. 8, 1914.

Fig 1

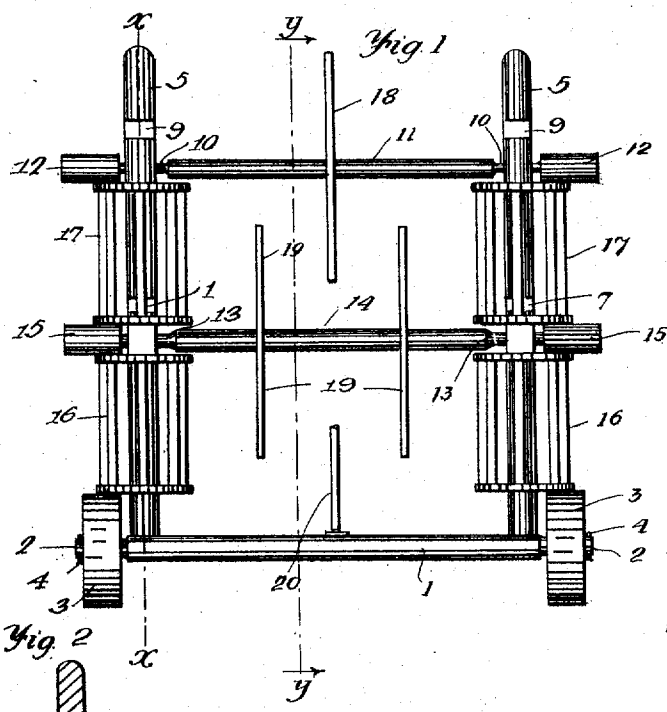


Fig 2

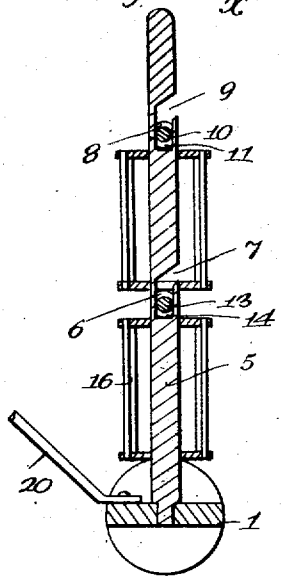


Fig 3.

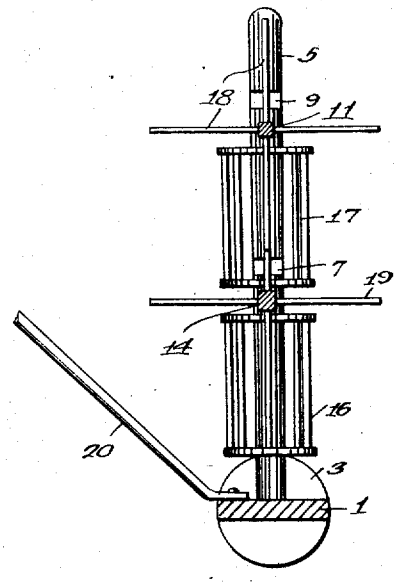
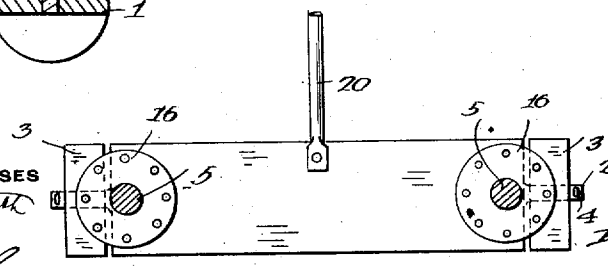


Fig 4



WITNESSES

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WHEELED TOY.

1,120,470. Specification of Letters Patent. Patented Dec. 8, 1914.

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To all whom it may concern:

Be it known that I, RICHARD FOX, a citizen of the United States of America, residing at McKees Rocks, in the county of Allegheny and State of Pennsylvania, have invented certain new and useful Improvements in Wheeled Toys, of which the following is a specification, reference being had therein to the accompanying drawing.

This invention relates to wheeled toys, and has for its object to provide a toy of such class, with means in a manner as hereinafter set forth, which will afford considerable amusement to a child when propelling the toy.

A further object of the invention is to provide a wheeled toy having a plurality of rotatable elements capable of operating in opposite directions with respect to each other when the toy is propelled or pushed or pulled along the ground.

Further objects of the invention are to provide a wheeled toy, which is simple in its construction and arrangement, strong, durable, highly amusing, inexpensive, and conveniently operated.

With the foregoing and other objects in view, the invention consists of the novel construction, combination and arrangement of parts as hereinafter more specifically described and illustrated in the accompanying drawings, wherein is shown an embodiment of the invention, but it is to be understood that changes, variations and modifications can be resorted to which come within the scope of the claims hereunto appended.

In the drawings wherein like reference characters denote corresponding parts throughout the several views:—Figure 1 is an elevation of a wheeled toy in accordance with this invention, Fig. 2 is a vertical sectional view on line x—x, Fig. 1. Fig. 3 is a section on line y—y, Fig. 1, with portion in elevation, and Fig. 4 is a top plan view of the platform with the drum and posts in section.

Referring to the drawings in detail, 1 denotes a platform provided at each end with a spindle 2, upon which is mounted a wheel 3. The wheels 3 are retained upon the spindles 2 by cotter pins 4, and said wheels 3 are in the form of friction disks having broad peripheries.

Fixedly secured to the platform 1, in proximity to each of the spindles 2, is a post 5 and each of said posts at the center thereof is formed with a slot 6, which has its top merging into an inclined opening 7. Each of the posts 5 between the slot 6 and its upper end is formed with a slot 8 having the top thereof terminating in an inclined opening 9. The slots of the posts 5 aline with each other and mounted in said slots 8 are the reduced portions 10 of a shaft 11 which is disposed parallel to the platform 1, and the said reduced portions project outwardly from the said posts 5 and connected to the outer ends of said reduced portions 10, are friction rollers 12.

The slots 6 of the posts 5 aline with each other and mounted in said slots 6 are the reduced portions 13 of a shaft 14. The reduced portions 13 of the shaft 14 project outwardly from the post 5 and connected to the ends of said reduced portions 13 are friction rollers 15. The openings 9 and 7 provide means to permit of the mounting of the reduced portions 10 and 13 in the slots 8 and 6.

Loosely mounted upon each of the posts 5 and interposed between a wheel 3 and a roller 15 is a drum 16, and loosely mounted upon each of the posts 5 and interposed between a roller 12 and 15 is a drum 17.

The shaft 11 has secured thereto a series of radially disposed blades or wings 18 and the shaft 14 has fixedly secured thereto two sets of radially disposed blades or wings 19. The blades or wings 18 extend between the sets of blades or wings 19 and the shaft 14 is disposed laterally of the shaft 11.

Connected to the platform 1 is a handle 20.

The drums 16 are adapted to be revolved by the wheels 3 and said drums engaging with the friction rollers 15 will rotate the shaft 14 and said rollers 15, engaging with the drum 17 will revolve said drums and these latter engaging with the rollers 12 will rotate the shaft 11. The drums 16 and 17 will revolve in an opposite direction with respect to each other, and the shafts 11 and 14 will also revolve in an opposite direction with respect to each other.

What I claim is:—

1. A wheeled toy comprising a platform, wheels carried thereby, posts projecting from the platform, a plurality of superposed drums carried by each of said posts, the lower drums frictionally engaging with said wheels and revolved thereby, a shaft journaled in said post and provided with fric-

tion rollers interposed between said drums and frictionally engaged by and revolved by the lower of said drums and frictionally engaging with and revolving the upper of said drums, and a shaft journaled in said posts and provided with friction rollers engaged by the upper of said drums whereby said shaft is rotated simultaneously with the first mentioned shaft and with the revolving of the drums.

2. A wheeled toy comprising a platform, wheels carried thereby, posts projecting from the platform, a plurality of superposed drums carried by each of said posts, the lower drums frictionally engaging with said wheels and revolved thereby, a shaft journaled in said post and provided with friction rollers interposed between said drums and frictionally engaged by and revolved by the lower of said drums and frictionally engaging with and revolving the upper of said drums, a shaft journaled in said posts and provided with friction rollers engaged by the upper of said drums whereby said shaft is rotated simultaneously with the first mentioned shaft and with the revolving of the drums, and radially disposed wings fixed to said shafts.

In testimony whereof I affix my signature in the presence of two witnesses.

RICHARD FOX.

Witnesses:
WILLIAM FOX,
MAX H. SROLOVITZ.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."